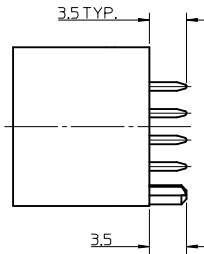
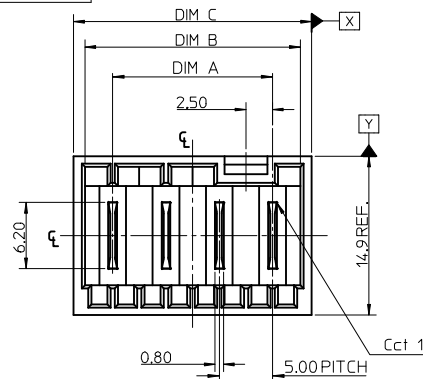
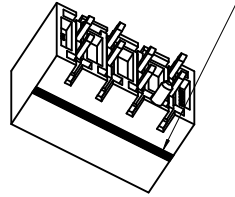
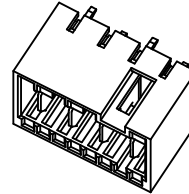
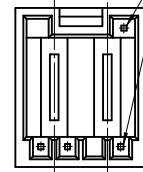


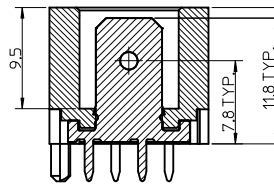
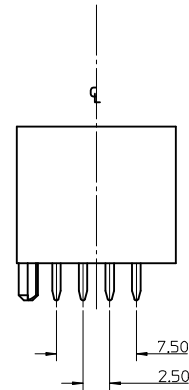
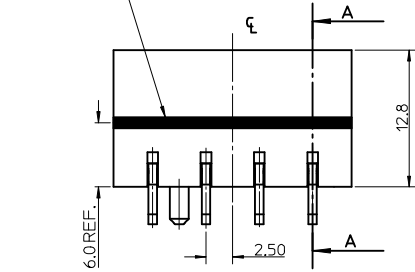
EM-90858-001

PCB PIN POLARISATION
OPTION A AND B

COLOUR STRIPE OPTION

HOLE ON SOME
TOOLED VERSIONS

COLOUR STRIPE OPTION



A-A

NOTES:

1. MATERIALS

HOUSING: PA 66, UL94 V-0 750°C GWT NO FLAME
 TERMINAL: BRASS 0.80 REF. THICK
 PLATING: OPTIONAL (SEE CHARTS SHEETS 2-8)
 TIN PLATING OPTION: 34µm TIN OVER 1.27µm NICKEL
 ALL AREAS

SELECTIVE SILVER

CONTACT AREA: 24µm SILVER OVER 1.27µm
 NICKEL. ALL OTHER AREAS FLASH OF SILVER 0.10µm

2. PRODUCT CONFORMS TO SPECIFICATION PS-99020-0037/39

3. MATES WITH MOLEX 91338, 90833, 90835, 91777,

91778, 91779, 91954 & 92000.

4. SEE PACKAGING SPECIFICATION PK-90858-001

THREE PACKAGING OPTIONS:

'A' LOOSE IN POLYBAGS IN SHIPPING CARTON
 'B' IN TUBES WITH TAPE CLOSURE IN SHIPPING CARTON
 'D' IN TUBES WITH REUSABLE STOPPER CLOSURE IN SHIPPING CARTON
 SEE TABLES IN FOLLOWING SHEETS FOR PACKAGING TYPE
 FOR EACH PART NUMBER
 REFER TO FINAL SHEET FOR PART NUMBERS OFFERING OPTION 'D'

5. PLATED THRU HOLE

6. NON-PLATED THRU HOLE

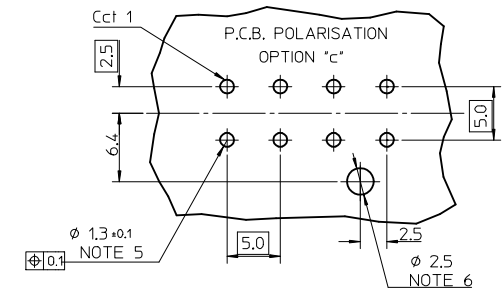
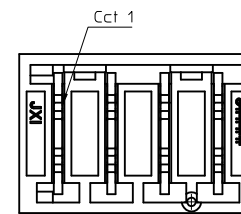
7. RECOMMENDED PCB THICKNESS: 1.5mm REF

8. PCB VIEW IS FROM SOLDER SIDE

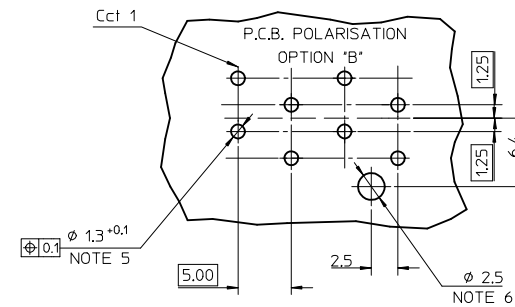
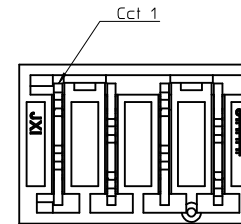
CCT	DIM A	DIM B	DIM C	TOL
2	5.00	10.20	12.30	
3	10.00	15.20	17.30	
4	15.00	20.20	22.30	
5	20.00	25.20	27.30	
6	25.00	30.20	32.30	
7	30.00	35.20	37.30	
8	35.00	40.20	42.30	
9	40.00	45.20	47.30	
10	45.00	50.20	52.30	
11	50.00	55.20	57.30	
12	55.00	60.20	62.30	+/-0.30

OPTION "C"

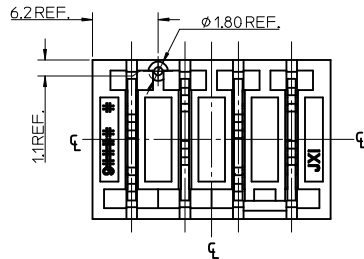
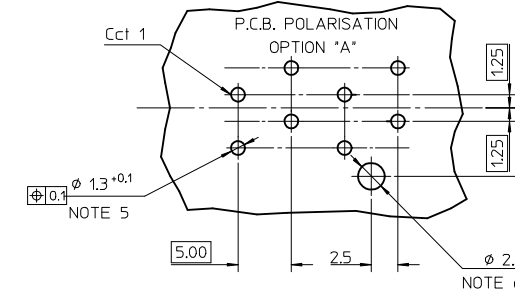
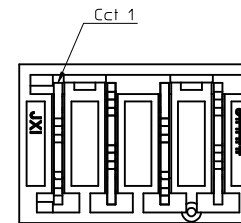
PCB LAYOUT



OPTION "B"



OPTION "A"



NEW PHS SPLIT SHEET 4
 EC NO: IEC2017-0474
 DRAWN: ZCRANER 2016/11/15
 CHKD: APPR: BRUTTLE 2016/11/22
 DESCRIPTION

QUALITY
 SYMBOLS
 ▽=0
 ▽=0

GENERAL TOLERANCES
(UNLESS SPECIFIED)

	mm	INCH
4 PLACES	±---	±---
3 PLACES	±---	±---
2 PLACES	±0.1	±---
1 PLACE	±0.2	±---
ANGULAR	± 2 °	

DRAFT WHERE APPLICABLE
 MUST REMAIN
 WITHIN DIMENSIONS

DIMENSION STYLE
MM ONLY

DRAWN BY	DATE
B. RUTTLE	2006/10/04
CHECKED BY	DATE
T. TOURSH	2006/10/04
APPROVED BY	DATE
BMAGUIRE	2006/10/04

MATERIAL NO.

SEE SHEETS 2-8

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

SCALE
1:1DESIGN UNITS
METRICTHIRD ANGLE
PROJECTION

RAST 5 VERT HDR
 PA 66 HOUSING



MOLEX INCORPORATED

DOCUMENT NO.

SD-91999-001

SHEET NO.

1 OF 10

20	19	18	17	16	15	14	13	12	11							
2 CIRCUIT										SEE CODE DESIGNATION TABLE FOR NUMBERING FORMAT WHEN ADDING NEW PART NUMBERS				P.C.B. POLARISATION OPTION	PACKAGING OPTION *	COLOUR STRIPE
PART NO. (TIN)	TERM NO. (TIN)	HOUSING NO.	COLOR	UNLOCKED POSITION KEYS	UNLOCKED CODING KEYS	LATCH POSITION	CONFIGURATION (SEE NOTES)	TERMINAL VOID CKT	TERM NO. (SILVER)	PART NO. (SILVER)						
91999-0003	91703-0002	93002-0002	NATURAL	1b 2a	01c d20	1/2		NONE	91703-0003	91999-0499	A	↑	↑	↑	NONE	
91999-0004	91703-0002	93002-0003	NATURAL	1a 2b	01c	1/2		NONE	91703-0003	91999-0482	A					
91999-0007	91703-0002	93002-0004	NATURAL	1b 2b	01c	1/2		NONE	91703-0003	91999-0497	A					
91999-0018	91703-0002	93002-0005	NATURAL	2a	01c, d20	1/2		NONE	91703-0003	91999-0495	A					
91999-0019	91703-0002	93002-0008	NATURAL	1a 2b	d20	1/2		NONE	91703-0003	91999-0478	A					
91999-0021	91703-0002	93002-0006	NATURAL	1b	01c, d20	1/2		NONE	91703-0003	91999-0492	A					
91999-0022	91703-0002	93002-0007	NATURAL	1a 2b	NONE	1/2		NONE	91703-0003	91999-0491	A					
91999-0027	91703-0002	93002-0009	NATURAL	2b	NONE	1/2		NONE	91703-0003	91999-0487	A					
91999-0029	91703-0002	93002-0010	NATURAL	1a 1b	d20	1/2		NONE	91703-0003	91999-0486	A					
91999-0030	91703-0002	93002-0011	NATURAL	2a 2b	NONE	1/2		NONE	91703-0003	91999-0485	A					
91999-0032	91703-0002	93002-0012	NATURAL	2b	d20	1/2		NONE	91703-0003	91999-0484	A	↓	↓	↓	NONE	
91999-0047	91703-0002	93002-0013	NATURAL	1a 2a	01c d20	1/2		NONE	91703-0003	91999-0483	A					
91999-0055	91703-0002	93002-0014	NATURAL	1a 1b	NONE	1/2		NONE	91703-0003	91999-0480	A					
91999-0020	91703-0002	93002-0015	NATURAL	1a 1b	01c	1/2		NONE	91703-0003	91999-0475	A					
91999-0054	91703-0002	93002-0016	NATURAL	2b	01c d20	1/2		NONE	91703-0003	91999-0476	A					
91999-0057	91703-0002	93002-0017	NATURAL	1a	01c d20	1/2		NONE	91703-0003	91999-0477	A					
91999-0058	91703-0002	93002-0018	NATURAL	1a 2a	01c	1/2		NONE	91703-0003	91999-0472	A					
91999-0059	91703-0002	93002-0019	NATURAL	ALL	d20	1/2		NONE	91703-0003	91999-0474	A					
91999-0060	91703-0002	93002-0020	NATURAL	1b 2a 2b	d20	1/2		NONE	91703-0003	91999-0473	A					
91999-0061	91703-0002	93002-0002	NATURAL	1b 2a	01c d20	1/2		NONE	91703-0003	91999-0471	B					
91999-0062	91703-0002	93002-0021	NATURAL	2a	01c	1/2		NONE	91703-0003	91999-0470	A	↓	↓	↓	NONE	
91999-0063	91703-0002	93002-0022	NATURAL	1b, 2a	d20	1/2		NONE	91703-0003	91999-0469	A					
91999-0064	91703-0002	93002-0023	NATURAL	1a, 2b	01c, d20	1/2		NONE	91703-0003	91999-0468	A					
91999-0065	91703-0002	93002-0002	NATURAL	1b, 2a	01c, d20	1/2		NONE	91703-0003	91999-0467	A					
91999-0066	91703-0002	93002-0003	NATURAL	1a, 2b	01c	1/2		NONE	91703-0003	91999-0466	A					
91999-0067	91703-0002	93002-0024	NATURAL	ALL	ALL	1/2		NONE	91703-0003	91999-0465	A					
91999-0068	91703-0002	93002-0003	NATURAL	1a, 2b	01c	1/2		NONE	91703-0003	91999-0464	A					
91999-0069	91703-0002	93002-0025	NATURAL	1a	01c	1/2		NONE	91703-0003	91999-0463	A					
91999-0070	91703-0002	93002-0026	NATURAL	2a 2b	01c	1/2		NONE	91703-0003	91999-0462	A					
91999-0071	91703-0017	93002-0004	NATURAL	1b 2b	01c	1/2		NONE	91703-0018	91999-0461	C					

NOTES:
* SEE SHEET 1 NOTE 4

2 CIRCUIT

SEE CODE DESIGNATION TABLE FOR NUMBERING FORMAT WHEN ADDING NEW PART NUMBERS											P.C.B. POLARISATION OPTION	PACKAGING OPTION *	COLOR STRIPE
PART NO. (TIN)	TERM NO. (TIN)	HOUSING NO.	COLOR	UNLOCKED POSITION KEYS	UNLOCKED CODING KEYS	LATCH POSITION	CONFIGURATION (SEE NOTES)	TERMINAL VOID CKT	TERM NO. (SILVER)	PART NO. (SILVER)			
91999-0042	91703-0002	93002-0027	NATURAL	NONE	d20	1/2		NONE	91703-0003	91999-0460	A	A	NONE
91999-0072	91703-0017	93002-0002	NATURAL	1b 2a	01c d20	1/2		NONE	91703-0018	91999-0459	C	A	NONE
91999-0073	91703-0002	93002-0002	NATURAL	1b 2a	01c d20	1/2		NONE	91703-0003	91999-0458	B	A	NONE
91999-0074	91703-0002	93002-0003	NATURAL	1a 2b	01c	1/2		NONE	91703-0003	91999-0457	B	A	NONE
91999-0075	91703-0017	93002-0005	NATURAL	2a	01c d20	1/2		NONE	91703-0018	91999-0456	C	A	NONE
91999-0076	91703-0002	93002-0005	NATURAL	2a	01c d20	1/2		NONE	91703-0003	91999-0455	B	A	NONE
91999-0077	91703-0002	93002-0028	NATURAL	1a 2a 2b	01c d20	1/2		NONE	91703-0003	91999-0454	A	A	NONE
91999-0078	91703-0002	93002-0029	NATURAL	1b	d20	1/2		NONE	91703-0003	91999-0453	A	A	NONE
91999-0079	91703-0002	93002-0030	NATURAL	1b	NONE	1/2		NONE	91703-0003	91999-0452	A	A	NONE
91999-0080	91703-0002	93002-0031	NATURAL	NONE	01c d20	1/2		NONE	91703-0003	91999-0451	A	A	NONE
91999-0081	91703-0002	93002-0003	NATURAL	1a 2b	01c	1/2		NONE	91703-0003	91999-0450	A	A	RED
91999-0082	91703-0002	93002-0032	NATURAL	1a 1a 2a 2b	01c	1/2		NONE	91703-0003	91999-0449	A	A	NONE
91999-0083	91703-0002	93002-0033	NATURAL	1a 1b 2a	NONE	1/2		NONE	91703-0003	91999-0448	A	A	NONE
91999-0084	91703-0002	93002-0008	NATURAL	1a 2b	d20	1/2		CCT 1	91703-0003	91999-0447	A	A	None
91999-0085	91703-0002	93002-0008	NATURAL	1a 2b	d20	1/2		CCT 2	91703-0003	91999-0446	A	A	None
91999-0086	91703-0017	93002-0008	NATURAL	1a 2b	d20	1/2		NONE	91703-0018	91999-0445	C	A	None
91999-0087	91703-0002	93002-0034	NATURAL	1a	NONE	1/2		NONE	91703-0003	91999-0444	A	A	None
91999-0088	91703-0002	93002-0009	NATURAL	2b	NONE	1/2		NONE	91703-0003	91999-0443	B	A	None
91999-0089	91703-0002	93002-0002	NATURAL	1b 2a	01c d20	1/2		NONE	91703-0003	91999-0442	A	A	Black
91999-0090	91703-0002	93002-0036	NATURAL	1b 2b	01c d20	1/2		NONE	91703-0003	91999-0496	A	A	None

SEE SHEET 1
SEC NO: PG2047-0474
CHKD: DRWNGZGRAMER
BN

2016/11/15
2016/11/22
APPROB:BRUTTE

QUALITY SYMBOLS
▽=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)
mm INCH
4 PLACES ± --- ± ---
3 PLACES ± --- ± ---
2 PLACES ± 0.1 ± ---
1 PLACE ± 0.2 ± ---
ANGULAR ± 2 °
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE
MM ONLY
DRAWN BY DATE
B. RUTLE 2006/10/04
CHECKED BY DATE
T. TOURSH 2006/10/04
APPROVED BY DATE
BMAGUIRE 2006/10/04
MATERIAL NO.
DOCUMENT NO.
SD-91999-001

SCALE
1:1
DESIGN UNITS
METRIC
THIRD ANGLE PROJECTION
RAST 5 VERT HDR
PA 66 HOUSING
MOLEX INCORPORATED
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

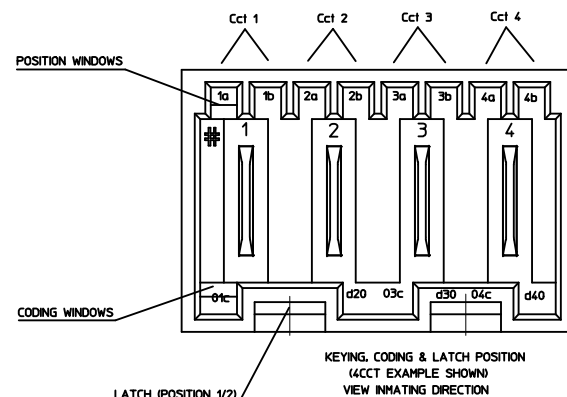
SHEET NO.
2 OF 10

3 CIRCUIT

SEE CODE DESIGNATION TABLE FOR NUMBERING FORMAT WHEN ADDING NEW PART NUMBERS										P.C.B. OPTION	PACKAGING OPTION *	COLOUR STRIPE	
PART NO. (TIN)	TERM. NO. (TIN)	MOLEX HOUSING NO.	COLOUR	UNBLOCKED POSITION KEYS	UNBLOCKED CODING KEYS	LATCH POSITION	CONFIGURATION (SEE NOTES)	TERMINAL VOID CKT	TERM. NO. (SILVER)				PART NO. (SILVER)
91999-0502	91703-0002	93002-1000	NATURAL	1b	01c, d20	1/2		NONE	91703-0003	91999-1249	A	A	NONE
91999-0508	91703-0002	93002-1001	NATURAL	1a	03c	1/2		NONE	91703-0003	91999-1248	A	A	NONE
91999-0511	91703-0002	93002-1002	NATURAL	1a 1b	d30	1/2		NONE	91703-0003	91999-1247	A	A	NONE
91999-0512	91703-0002	93002-1003	NATURAL	1a 3b	01c	1/2		NONE	91703-0003	91999-1246	A	A	NONE
91999-0513	91703-0002	93002-1004	NATURAL	1b	d20 03c	1/2		NONE	91703-0003	91999-1245	A	A	NONE
91999-0524	91703-0002	93002-1005	NATURAL	1b 2a 2b	d30	1/2		NONE	91703-0003	91999-1244	A	A	NONE
91999-0525	91703-0002	93002-1006	NATURAL	2b	d20	1/2		NONE	91703-0003	91999-1243	A	A	NONE
91999-0528	91703-0002	93002-1007	NATURAL	ALL	d10 d30	2/3		NONE	91703-0003	91999-1242	A	A	NONE
91999-0527	91703-0002	93002-1008	NATURAL	ALL	d20	1/2		NONE	91703-0003	91999-1240	A	A	NONE
91999-0526	91703-0002	93002-1009	NATURAL	2b 3b	d10 02c	2/3		NONE	91703-0003	91999-1241	A	A	NONE
91999-0529	91703-0002	93002-1000	NATURAL	1b	01c d20	1/2		2	91703-0003	91999-1239	A	A	NONE
91999-0530	91703-0002	93002-1010	NATURAL	2b 3b	01c d10 02c d30	2/3		NONE	91703-0003	91999-1238	A	B	NONE
91999-0531	91703-0002	93002-1011	NATURAL	3b	01c, d30	2/3		NONE	91703-0003	91999-1237	A	A	NONE
91999-0532	91703-0002	93002-1012	NATURAL	3b	d10, 02c	2/3		NONE	91703-0003	91999-1236	A	A	NONE
91999-0533	91703-0002	93002-1010	NATURAL	2b 3b	01c d10 02c d30	2/3		NONE	91703-0003	91999-1235	A	B	NONE
91999-0534	91703-0002	93002-1014	NATURAL	ALL	ALL	1/2		NONE	91703-0003	91999-1234	A	A	NONE
91999-0506	91703-0002	93002-1015	NATURAL	1a 3a	d20	1/2		NONE	91703-0003	91999-1233	A	A	NONE
91999-0507	91703-0002	93002-1016	NATURAL	2a	d10 d30	2/3		NONE	91703-0003	91999-1232	A	A	NONE
91999-0535	91703-0002	93002-1017	NATURAL	3b	d10, d30	2/3		NONE	91703-0003	91999-1231	A	A	NONE
91999-0536	91703-0002	93002-1018	NATURAL	1b	01c	1/2		NONE	91703-0003	91999-1230	A	A	NONE
91999-0537	91703-0017	93002-1000	NATURAL	1b	01c d20	1/2		NONE	91703-0018	91999-1229	C	A	NONE
91999-0538	91703-0017	93002-1009	NATURAL	2b 3b	d10 02c	2/3		NONE	91703-0018	91999-1228	C	A	NONE
91999-0539	91703-0002	93002-1000	NATURAL	1b	01c d20	1/2		NONE	91703-0003	91999-1227	B	A	NONE
91999-0540	91703-0002	93002-1009	NATURAL	2b 3b	d10 02c	2/3		NONE	91703-0003	91999-1226	B	A	NONE
91999-0541	91703-0002	93002-1019	NATURAL	2a	01c d30	1/2		NONE	91703-0003	91999-1225	A	A	NONE
91999-0542	91703-0002	93002-1020	NATURAL	3b	01c d30	1/2		NONE	91703-0003	91999-1224	A	A	NONE
91999-0543	91703-0002	93002-1022	NATURAL	1b 2a	NONE	1/2		NONE	91703-0003	91999-1223	A	A	NONE
91999-0544	91703-0002	93002-1030	NATURAL	1b 2a 2b 3b	NONE	2/3		NONE	91703-0003	91999-1222	A	A	NONE

3 CIRCUIT

Part No. (Tin)	Term. No. (Tin)	Molex Housing No.	Colour	Unblocked Position Keys	Unblocked Coding Keys	Latch Position	CONFIGURATION (SEE NOTES)	TERMINAL VOID CKT	Term No. (Silver)	Part No. (Silver)	P.C.B. OPTION	PACKAGING OPTION *	COLOUR STRIPE
91999-0545	91703-0002	93002-1025	NATURAL	1a 1b	d20	1/2		None	91703-0003	91999-1221	A	A	None
91999-0546	91703-0002	93002-1026	NATURAL	2a 3a	01c d20 03c	1/2		None	91703-0003	91999-1220	A	A	None
91999-0547	91703-0002	93002-1026	NATURAL	2a 3a	01c d20 03c	1/2		None	91703-0003	91999-1219	A	B	None
91999-0548	91703-0002	93002-1027	NATURAL	1a 3a	d30	2/3		None	91703-0003	91999-1218	A	A	None
91999-0549	91703-0002	93002-1028	NATURAL	1a 1b 2a 2b 3a 3b	01c d10 02c d30	2/3		None	91703-0003	91999-1217	A	A	None
91999-0550	91703-0017	93002-1029	NATURAL	2a	d10 02c d30	2/3		None	91703-0018	91999-1216	C	A	None
91999-0551	91703-0002	93002-1030	NATURAL	1b 2a 2b 3b	None	2/3		None	91703-0003	91999-1215	B	A	None
91999-0552	91703-0020	93002-1031	NATURAL	1b 2b	01c d20	1/2		None	91703-0021	91999-1214	A	A	None
91999-0553	91703-0017	93002-1014	NATURAL	1a 1b 2a 2b 3a 3b	10c d20 03c d30	1/2		None	91703-0018	91999-1213	C	A	None
91999-0554	91703-0002	93002-1032	NATURAL	1a 3a	03c	1/2		None	91703-0003	91999-1212	A	A	None
91999-0555	91703-0002	93002-1033	NATURAL	1b 2a 3b	01c d20	1/2		None	91703-0003	91999-1211	A	A	None
91999-0556	THIS LINE	RESERVED	FOR	FUTURE	RELEASE								
91999-0557	91703-0002	93002-1034	NATURAL	3a	03c d30	1/2		None	91703-0003	91999-1209	A	A	None
91999-0558	91703-0002	93002-1025	NATURAL	1a 1b	d20	1/2		2	91703-0003	91999-1208	A	A	None



NOTES:

* SEE SHEET 1 NOTE 4

SEE SHEET 1 SEC NO: JPC2047-0474 DRAWN BY: GRAMER CHKD: APPR: BRUTLE BN	QUALITY SYMBOLS 0 = 0 1 = 1	GENERAL TOLERANCES (UNLESS SPECIFIED) 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.1 ± --- 1 PLACE ± 0.2 ± --- ANGULAR ± 2°	DIMENSION STYLE MM ONLY	SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
	DRAWN BY B. RUTLE DATE 2006/10/04	CHECKED BY T. TOURSH DATE 2006/10/04	APPROVED BY BMAGUIRE DATE 2006/10/04	MATERIAL NO. SEE CHART	DOCUMENT NO. SD-91999-001	SHEET NO. 3 OF 10	TITLE RAST 5 VERT HDR PA 66 HOUSING
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS						THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION
	MOLEX INCORPORATED						

4 CIRCUIT											SEE CODE DESIGNATION TABLE FOR NUMBERING FORMAT WHEN ADDING NEW PART NUMBERS											P.C.B. OPTION	PACKAGING OPTION *	COLOUR STRIPE
PART NO. (TIN)	TERM NO. (TIN)	MOLEX HOUSING NO.	COLOUR	UNBLOCKED POSITION KEYS	UNBLOCKED CODING KEYS	LATCH POSITION	CONFIGURATION (SEE NOTES)	TERMINAL VOID CKT	TERM NO. (SILVER)	PART NO. (SILVER)														
91999-1254	91703-0002	93002-2000	NATURAL	1b	03c d40	1/2 3/4		NONE	91703-0003	91999-1999	↑	↑	↑											
91999-1264	91703-0002	93002-2001	NATURAL	1a 4b	d40	1/2 3/4		NONE	91703-0003	91999-1998														
91999-1265	91703-0002	93002-2002	NATURAL	2a 4b	d20	1/2 3/4		NONE	91703-0003	91999-1996														
91999-1267	91703-0002	93002-2003	NATURAL	1b 2a 3a 4b	01c d40	1/2 3/4		NONE	91703-0003	91999-1994														
91999-1270	91703-0002	93002-2004	NATURAL	1a 2b 4b	01c 03c d40	1/2 3/4		NONE	91703-0003	91999-1993														
91999-1274	91703-0002	93002-2005	NATURAL	1a 3a 3b	01c d20 d40	1/2 3/4		NONE	91703-0003	91999-1992														
91999-1275	91703-0002	93002-2006	NATURAL	1b 2a 4b	01c d20 03c	1/2 3/4		NONE	91703-0003	91999-1991														
91999-1278	91703-0002	93002-2007	NATURAL	1a 3a	d40	1/2 3/4		NONE	91703-0003	91999-1987														
91999-1280	91703-0002	93002-2008	NATURAL	1a 2b 3b 4a	01c 03c d40	1/2 3/4		NONE	91703-0003	91999-1988														
91999-1281	91703-0002	93002-2009	NATURAL	2a 4b	d20 03c	1/2 3/4		NONE	91703-0003	91999-1986														
91999-1282	91703-0002	93002-2010	NATURAL	3b	d30	2/3		NONE	91703-0003	91999-1985														
91999-1283	91703-0002	93002-2011	NATURAL	1b 2a 4b	01c d20 03c d40	1/2 3/4		NONE	91703-0003	91999-1984														
91999-1284	91703-0002	93002-2012	NATURAL	2a 3a 3b 4b	01c d20 03c d40	1/2 3/4		NONE	91703-0003	91999-1983	↓	↓	↓											
91999-1285	91703-0002	93002-2013	NATURAL	2a 2b 3b 4b	01c d20 03c d40	1/2 3/4		NONE	91703-0003	91999-1982														
91999-1286	91703-0002	93002-2013	NATURAL	2a 2b 3b 4b	01c d20 03c d40	1/2 3/4		NONE	91703-0003	91999-1981														
91999-1287	91703-0002	93002-2015	NATURAL	1a 4b	01c	1/2 3/4		NONE	91703-0003	91999-1980														
91999-1288	91703-0002	93002-2016	NATURAL	1b 2b 3b 4a	01c 03c d40	1/2 3/4		NONE	91703-0003	91999-1979														
91999-1289	91703-0017	93002-2000	NATURAL	1b	03c d40	1/2 3/4		NONE	91703-0018	91999-1978														
91999-1290	91703-0002	93002-2017	NATURAL	1b 2a 2b 3a 4a 4b	03c d40	1/2 3/4		NONE	91703-0003	91999-1977														
91999-1291	91703-0002	93002-2018	NATURAL	ALL	ALL	1/2 3/4		NONE	91703-0003	91999-1976														
91999-1292	91703-0002	93002-2019	NATURAL	1b 2a 3a 4a	01c d20 03c	1/2 3/4		NONE	91703-0003	91999-1975														
91999-1293	91703-0002	93002-2020	NATURAL	1b 2b 3b 4a	01c 03c d40	1/2 3/4		NONE	91703-0003	91999-1974														
91999-1294	91703-0002	93002-2021	NATURAL	1a 2a 2b 3a 3b 4a 4b	NONE	1/2 3/4		NONE	91703-0003	91999-1973	↑	↑	↑											
91999-1295	91703-0002	93002-2023	NATURAL	1b 3b 4b	01c d20 03c	1/2 3/4		NONE	91703-0003	91999-1972														
91999-1296	91703-0002	93002-2000	NATURAL	1b	03c d40	1/2 3/4		NONE	91703-0003	91999-1971														
91999-1297	91703-0002	93002-2015	NATURAL	1a 4b	01c	1/2 3/4		NONE	91703-0003	91999-1970														
91999-1298	91703-0002	93002-2026	RED	1a 2a 4b	01c d20 03c d40	1/2 3/4		NONE	91703-0003	91999-1969														
91999-1299	91703-0002	93002-2027	GREEN	2a 3a 3b 4b	01c d20 03c d40	1/2 3/4		NONE	91703-0003	91999-1968														

4 CIRCUIT							SEE CODE DESIGNATION TABLE FOR NUMBERING FORMAT WHEN ADDING NEW PART NUMBERS				P.C.B. POLARISATION OPTION	PACKAGING OPTION *	COLOUR STRIPE	
PART NO. (TIN)	TERM NO. (TIN)	HOUSING NO.	COLOUR	UNBLOCKED POSITION KEYS	UNBLOCKED CODING KEYS	LATCH POSITION	CONFIGURATION (SEE NOTES)	TERMINAL VOID CKT	TERM NO. (SILVER)	PART NO. (SILVER)				
91999-1300	91703-0002	93002-2001	NATURAL	1a 4b	d40	1/2 3/4		NONE	91703-0003	91999-1951	B	A	NONE	
91999-1301	91703-0002	93002-2047	GREEN	1b	03c d40	1/2 3/4		NONE	91703-0003	91999-1950	A	A	NONE	
91999-1255	91703-0002	93002-2033	NATURAL	1b 2a 3a 4b	01c d20 03c	1/2 3/4		NONE	91703-0003	91999-1963	A	A	NONE	
91999-1256	91703-0002	93002-2034	NATURAL	1b 2b 3a 4b	01c d40	1/2 3/4		NONE	91703-0003	91999-1962	A	A	NONE	
91999-1257	91703-0002	93002-2035	NATURAL	2a 2b 3a 4a	01c 03c	1/2 3/4		NONE	91703-0003	91999-1961	A	A	NONE	
91999-1258	91703-0017	93002-2015	NATURAL	1a 4b	01c	1/2 3/4		NONE	91703-0018	91999-1960	C	A	NONE	
91999-1259	91703-0017	93002-2010	NATURAL	3b	d30	2/3		NONE	91703-0018	91999-1959	C	A	NONE	
91999-1260	91703-0017	93002-2011	NATURAL	1b 2a 4b	01c d20 03c d40	1/2 3/4		NONE	91703-0018	91999-1958	C	A	NONE	
91999-1261	91703-0002	93002-2036	NATURAL	1b 2a 3a 3b 4b	01c d20 03c d40	1/2 3/4		NONE	91703-0003	91999-1957	A	A	NONE	
91999-1262	91703-0002	93002-2000	NATURAL	1b	03c d40	1/2 3/4		CCT 3	91703-0003	91999-1956	A	A	NONE	
91999-1263	91703-0002	93002-2037	NATURAL	1b 3b	d10 03c d40	3/4		NONE	91703-0003	91999-1955	A	A	NONE	
91999-1266	91703-0002	93002-2038	NATURAL	2a 3b 4b	01c d20 03c d40	1/2 3/4		NONE	91703-0003	91999-1954	A	A	NONE	
91999-1268	91703-0002	93002-2039	NATURAL	1b	01c d20 03c d40	1/2 3/4		NONE	91703-0003	91999-1953	A	A	NONE	
91999-1269	91703-0017	93002-2002	NATURAL	2a 4b	d20	1/2 3/4		NONE	91703-0018	91999-1989	C	A	NONE	
91999-1253	91703-0017	93002-2004	NATURAL	1a 2b 4b	01c 03c d40	1/2 3/4		NONE	91703-0018	91999-1952	C	A	NONE	
91999-7000	91703-0002	93002-2999	NATURAL	1b 2b 3b 4a	01c 03c d40	1/2 3/4		PEG 2/3	NONE	91703-0003	91999-7500	A	A	NONE
91999-7001	91703-0002	93002-2040	NATURAL	1a 1b 2a 3b 4a 4b	01c 02c 03c d40	3/4		NONE	91703-0003	91999-7501	A	A	NONE	
91999-7002	91703-0002	93002-2041	NATURAL	1a	01c d20 03c	1/2		NONE	91703-0003	91999-7502	A	A	NONE	
91999-7003	91703-0002	93002-2042	NATURAL	2a 2b 3b 4a	01c 03c d40	1/2		NONE	91703-0003	91999-7503	A	A	NONE	
91999-7004	91703-0017	93002-2036	NATURAL	1b 2a 3a 3b 4b	01c d20 03c d40	1/2 3/4		NONE	91703-0018	91999-7504	C	A	NONE	
91999-7005	91703-0002	93002-2044	NATURAL	2a 3b	01c d40	1/2 3/4		NONE	91703-0003	91999-7505	A	A	NONE	
91999-7006	91703-0002	93002-2046	NATURAL	1b 2a 3a 4b	d20 03c	1/2 3/4		NONE	91703-0003	91999-7506	A	A	NONE	

NOTES:

4 CIRCUIT PARTS CONTINUE ON SHEET 5

* SEE SHEET 1 NOTE 4

SEE SHEET 1 EC NO: PG2007-0474 DRAWN: ZGRAMER CHKD: APPROB: BATTLE BN	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	RAST 5 VERT HDR PA 66 HOUSING		MOLEX INCORPORATED	DOCUMENT NO. SD-91999-001	SHEET NO. 4 OF 10								
			DRAWN BY B. RUTLE																	
			CHECKED BY T. TOURSH																	
			APPROVED BY BMAGUIRE																	
DATE 2016/11/15			DATE 2006/10/04		DATE 2006/10/04		DATE 2006/10/04		DATE 2006/10/04		DATE 2006/10/04									
SIZE A1			SIZE A1		SIZE A1		SIZE A1		SIZE A1		SIZE A1									
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS									
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									

	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1									
M	4 CIRCUIT																				M								
	SEE CODE DESIGNATION TABLE FOR NUMBERING FORMAT WHEN ADDING NEW PART NUMBERS																												
	PART NO. (TIN)	TERM NO. (TIN)	HOUSING NO.	COLOR	UNBLOCKED POSITION KEYS	UNBLOCKED CODING KEYS	LATCH POSITION	CONFIGURATION (SEE NOTES)	TERMINAL VOID CKT	TERM NO. (SILVER)	PART NO. (SILVER)	P.C.B. POLARISATION OPTION	PACKAGING OPTION #	COLOR STRIPE															
	91999-1279	91703-0002	93002-2028	NATURAL	1b 2a 4b	d20 03c d40	1/2 3/4	<table><tr><td>1</td><td>2</td><td>3</td><td>4</td></tr><tr><td>1</td><td>2</td><td>3</td><td>4</td></tr></table>	1	2	3	4	1	2	3	4	NONE	91703-0003	91999-1967	A	A	NONE							
1	2	3	4																										
1	2	3	4																										
L	91999-1251	91703-0002	93002-2029	NATURAL	1a 3b 4a	01c d20 d40	1/2 3/4	<table><tr><td>1</td><td>2</td><td>3</td><td>4</td></tr><tr><td>1</td><td>2</td><td>3</td><td>4</td></tr></table>	1	2	3	4	1	2	3	4	NONE	91703-0003	91999-1966	A	A	NONE							
1	2	3	4																										
1	2	3	4																										
	91999-1252	91703-0002	93002-2030	NATURAL	1a 2b 3b 4a	d20 d40	1/2 3/4	<table><tr><td>1</td><td>2</td><td>3</td><td>4</td></tr><tr><td>1</td><td>2</td><td>3</td><td>4</td></tr></table>	1	2	3	4	1	2	3	4	NONE	91703-0003	91999-1965	A	A	NONE							
1	2	3	4																										
1	2	3	4																										
K																					K								
J																					J								
I																					I								
H																					H								
G																					G								
F																					F								
E																					E								
D																					D								
C																					C								
B																					B								
A																					A								
1b 1Frame_A1_P_AM_T Rev E1 2012/01/25																													
	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1										

SEE SHEET 1 EC NO: IPG2017-0474 DRAWN:ZCRAWER 2016/11/15 CHKD: APPR:BRUTTE 2016/11/22 BN	REV	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
			▽=0								
			▽=0								

		19			18			17			16			15			14			13			12			11
5 CIRCUIT										SEE CODE DESIGNATION TABLE FOR NUMBERING FORMAT WHEN ADDING NEW PART NUMBERS																
PART NO. (TIN)	Term. No. (Tin)	MOLEX HOUSING NO.	COLOR	UNBLOCKED POSITION KEYS	UNBLOCKED CODING KEYS	LATCH POSITION	CONFIGURATION (SEE NOTES)	TERMINAL VOID EXT	TERM NO. (SILVER)	PART NO. (SILVER)	P.C.B. OPTION	PACKAGING OPTION *	COLOR STRIPE													
91999-2000	91703-0002	93002-3000	NATURAL	1a 5b	01c d30	1/2 2/3		NONE	91703-0003	91999-2749	A	A	NONE													
91999-2001	91703-0002	93002-3001	NATURAL	1a 3a	01c d30	1/2 4/5		NONE	91703-0003	91999-2748																
91999-2002	91703-0002	93002-3002	NATURAL	1a 5b	01c d20 03c d50	1/2 3/4		NONE	91703-0003	91999-2747																
91999-2003	91703-0002	93002-3003	NATURAL	1b 2a 3b 5a	01c 03c	1/2 3/4		NONE	91703-0003	91999-2746																
91999-2004	91703-0002	93002-3004	NATURAL	1a 2a 2b 4b 5b	01c d30 04c d50	1/2 2/3 4/5		NONE	91703-0003	91999-2745																
91999-2006	91703-0002	93002-3005	NATURAL	2a	01c d50	2/3 4/5		NONE	91703-0003	91999-2742																
91999-2012	91703-0002	93002-3006	NATURAL	2a 4b	01c d20 d40	1/2 3/4		NONE	91703-0003	91999-2743																
91999-2013	91703-0002	93002-3007	NATURAL	2b	d20	1/2 4/5		NONE	91703-0003	91999-2741																
91999-2014	91703-0002	93002-3008	NATURAL	4b 5a	01c d30 04c d50	1/2 4/5		NONE	91703-0003	91999-2740																
91999-2015	91703-0002	93002-3009	NATURAL	NONE	01c d40	1/2 3/4		NONE	91703-0003	91999-2739																
91999-2017	91703-0002	93002-3010	NATURAL	1a 4a	d30	1/2 4/5		NONE	91703-0003	91999-2737																
91999-2024	91703-0002	93002-3011	NATURAL	1a 5b	d20 d40	1/2 3/4		NONE	91703-0003	91999-2732																
91999-2025	91703-0002	93002-3019	NATURAL	2b	d20 d50	1/2 3/4		NONE	91703-0003	91999-2733																
91999-2026																										
91999-2027	91703-0002	93002-3020	NATURAL	1a 3a 4b 5a	03c 04c	1/2 4/5		NONE	91703-0003	91999-2735																
91999-2028	91703-0002	93002-3021	NATURAL	2b	d20	1/2 4/5		NONE	91703-0003	91999-2731																
91999-2029	91703-0002	93002-3016	NATURAL	1b 2a 4a	01c 04c d50	1/2 4/5		NONE	91703-0003	91999-2730																
91999-2030	91703-0002	93002-3017	NATURAL	2b 3b 4a	01c d20 d40	1/2 3/4		NONE	91703-0003	91999-2729																
91999-2031	91703-0002	93002-3022	NATURAL	1a 5b	01c d20 03c d50	1/2 4/5		NONE	91703-0003	91999-2728																
91999-2032	91703-0002	93002-3023	NATURAL	1a 1b 4a	d30 04c d50	1/2 4/5		NONE	91703-0003	91999-2727	A	A	NONE													
91999-2033	91703-0002	93002-3002	NATURAL	1a 5b	01c d20 03c d50	1/2 3/4		NONE	91703-0003	91999-2726	B	A	NONE													
91999-2034	91703-0017	93002-3001	NATURAL	1a 3a	01c d30	1/2 4/5		NONE	91703-0018	91999-2725	C	A	NONE													
91999-2035	91703-0002	93002-3024	NATURAL	ALL	ALL	1/2 3/4		NONE	91703-0003	91999-2724	A	A	NONE													
91999-2036	91703-0017	93002-3000	NATURAL	1a 5b	01c d30	1/2 2/3		NONE	91703-0018	91999-2723	C	A	NONE													
91999-2038	91703-0002	93002-3000	NATURAL	1a 5b	01c d30	1/2 2/3		NONE	91703-0003	91999-2721	B	A	NONE													
91999-2039	91703-0017	93002-3003	NATURAL	1b 2a 3b 5a	01c 03c	1/2 3/4		NONE	91703-0018	91999-2720	C	A	NONE													
91999-2040	91703-0002	93002-3003	NATURAL	1b 2a 3b 5a	01c 03c	1/2 3/4		NONE	91703-0003	91999-2719	B	A	NONE													
91999-2041	91703-0002	93002-3026	NATURAL	2a 2b 3b 4a	d20 d40	1/2 3/4		NONE	91703-0003	91999-2718	A	A	NONE													

5 CIRCUIT							SEE CODE DESIGNATION TABLE FOR NUMBERING FORMAT WHEN ADDING NEW PART NUMBERS						
PART NO. (TIN)	TERM NO. (TIN)	MOLEX HOUSING NO.	COLOR	UNBLOCKED POSITION KEYS	UNBLOCKED CODING KEYS	LATCH POSITION	CONFIGURATION (SEE NOTES)	TERMINAL VOID DXT	TERM NO. (SILVER)	PART NO. (SILVER)	P.C.B. OPTION	PACKAGING OPTION *	COLOR STRIPE
91999-2042	91703-0017	93002-3002	NATURAL	1a 5b	01c d20 03c d50	1/2 3/4		NONE	91703-0018	91999-2717	C	A	NONE
91999-2043	91703-0002	93002-3029	NATURAL	1b 3b 4b	01c d20 d50	1/2 4/5		2,4	91703-0003	91999-2716	A	A	NONE
91999-2044	91703-0002	93002-3007	NATURAL	2b	d20	1/2 4/5		4	91703-0003	91999-2715	A	A	NONE
91999-2045	91703-0002	93002-3030	NATURAL	1a 2b 4b	03c d50	1/2 4/5		NONE	91703-0003	91999-2714	A	A	NONE
91999-2046	91703-0002	93002-3031	NATURAL	2b	d20	1/2		2,4	91703-0003	91999-2713	A	A	NONE
91999-2047	91703-0002	93002-3022	NATURAL	1a 5b	01c d20 03c d50	1/2 4/5		2,4	91703-0003	91999-2712	A	A	NONE
91999-2048	91703-0002	93002-3022	NATURAL	1a 5b	01c d20 03c d50	1/2 4/5		2,4	91703-0003	91999-2711	B	A	NONE
91999-2049	91703-0002	93002-3007	NATURAL	2b	d20	1/2 4/5		2,4	91703-0003	91999-2710	B	A	NONE
91999-2050	91703-0002	93002-3020	NATURAL	1a 3a 4b 5a	03c 04c	1/2 4/5		4	91703-0003	91999-2709	A	A	NONE
91999-2051	91703-0002	93002-3006	NATURAL	2a 4b	01c d20 d40	1/2 3/4		NONE	91703-0003	91999-2708	B	A	NONE
91999-2052	91703-0002	93002-3006	NATURAL	2a 4b	01c d20 d40	1/2 3/4		4	91703-0003	91999-2708	A	A	NONE

NOTES:
* SEE SHEET 1 NOTE 4

SEE SHEET 1 EC NO: PG2017-0474 DRWNGZGRMER 2016/11/15 CHKD: APPR:BRUTILE REV BN	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	DOCUMENT NO. SD-91999-001		SHEET NO. 6 OF 10		
		4 PLACES ± --- ± ---		DRAWN BY B. RUTLE		DATE 2006/10/04			TITLE RAST 5 VERT HDR PA 66 HOUSING				
		3 PLACES ± --- ± ---		CHECKED BY T. TOURSH		DATE 2006/10/04			MOLEX INCORPORATED				
		2 PLACES ± 0.1 ± ---		APPROVED BY BMAGUIRE		DATE 2006/10/04			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SIZE A 1									

	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1								
M	6 CIRCUIT										6 CIRCUIT																	
	SEE CODE DESIGNATION TABLE FOR NUMBERING FORMAT WHEN ADDING NEW PART NUMBERS										SEE CODE DESIGNATION TABLE FOR NUMBERING FORMAT WHEN ADDING NEW PART NUMBERS																	
	PART NO. (TIN)	TERM NO. (TIN)	MOLEX HOUSING NO.	COLOUR	UNBLOCKED POSITION KEYS	UNBLOCKED CODING KEYS	LATCH POSITION	CONFIGURATION (SEE NOTES)	TERMINAL VOID CKT	TERM NO. (SILVER)	PART NO. (SILVER)	P.C.B. OPTION	PACKAGE OPTION =	COLOUR STRIPE	PART NO. (TIN)	TERM NO. (TIN)	MOLEX HOUSING NO.	COLOUR	UNBLOCKED POSITION KEYS	UNBLOCKED CODING KEYS	LATCH POSITION	CONFIGURATION (SEE NOTES)	TERMINAL VOID CKT	TERM NO. (SILVER)	PART NO. (SILVER)	P.C.B. OPTION	PACKAGE OPTION =	COLOUR STRIPE
	91999-2753	91703-0002	93002-4000	NATURAL	1b	03c d60	1/2 4/5		NONE	91703-0003	91999-3499	A	A	NONE	91999-2788	91703-0002	93002-4028	NATURAL	1b 5b 6a	d20 03c d40 05c	1/2 3/4 5/6		NONE	91703-0003	91999-3487	A	A	NONE
L	91999-2754	91703-0002	932002-4001	NATURAL	1a 3b 4b	01c d50 06c	1/2 4/5		NONE	91703-0003	91999-3498																	
	91999-2755	91703-0002	932002-4002	NATURAL	1a 1b 2b 3a 3b 4b	d30 04c d50	1/2 2/3 4/5		NONE	91703-0003	91999-3497																	
K	91999-2756	91703-0002	932002-4003	NATURAL	1a 1b 4a 4b	d10 d50	2/3 4/5		NONE	91703-0003	91999-3496																	
	91999-2757	91703-0002	932002-4004	NATURAL	2a 4b 5a 6b	d20 03c 05c	1/2 3/4 5/6		NONE	91703-0003	91999-3495																	
J	91999-2758	91703-0002	93002-4005	NATURAL	1a 2b 3a 3b 5b 6b	01c d40 d60	1/2 3/4 5/6		NONE	91703-0003	91999-3494																	
	91999-2759	91703-0002	93002-4006	NATURAL	1b 2a 3a 4b 5a 5b 6b	01c 03c d60	1/2 3/4 5/6		NONE	91703-0003	91999-3493																	
	91999-2761	91703-0002	93002-4007	NATURAL	2b	d20 d60	1/2 5/6		NONE	91703-0003	91999-3492																	
I	91999-2762	91703-0002	93002-4008	NATURAL	2b 3b 4a	01c d50 06c	1/2 4/5		NONE	91703-0003	91999-3491																	
	91999-2768	91703-0002	93002-4009	NATURAL	1b 4b	d20 03c d50 06c	1/2 4/5		NONE	91703-0003	91999-3486																	
H	91999-2769	91703-0002	93002-4010	NATURAL	1a 2b 3b 4a 6b	01c 03c d40 05c d60	1/2 3/4 5/6		NONE	91703-0003	91999-3485																	
	91999-2770	91703-0002	93002-4011	NATURAL	1a 2b 4a 6b	01c d40	1/2 3/4 5/6		NONE	91703-0003	91999-3484																	
G	91999-2771	91703-0002	93002-4012	NATURAL	1b 6b	d40	1/2 5/6		2 & 5	91703-0003	91999-3483																	
	91999-2772	91703-0002	93002-4016	NATURAL	1b 2a 3a 4b 5a 5b 6b	01c d60	2/3 5/6		NONE	91703-0003	91999-3482	A	A	NONE														
F	91999-2773	91703-0017	93002-4000	NATURAL	1b	03C d60	1/2 4/5		NONE	91703-0018	91999-3481	C	A	NONE														
	91999-2774	91703-0017	93002-4017	NATURAL	1a 1b 2b 3b	d20 05c d60	1/2 3/4 5/6		NONE	91703-0018	91999-3480	C	A	NONE														
E	91999-2775	91703-0017	93002-4016	NATURAL	1b 2a 3a 4b 5a 5b 6b	01c d60	2/3 5/6		NONE	91703-0018	91999-3479	C	A	NONE														
	91999-2776	91703-0002	93002-4018	NATURAL	ALL	ALL	1/2 4/5		NONE	91703-0003	91999-3478	A	A	NONE														
D	91999-2777	91703-0002	93002-4019	NATURAL	1b	03c d60	1/2 5/6		NONE	91703-0003	91999-3477	A	A	NONE														
	91999-2778	91703-0002	93002-4020	NATURAL	1b 2b 3b	01c 05c d60	1/2 3/4 5/6		NONE	91703-0003	91999-3476	A	A	NONE														
C	91999-2779	91703-0002	93002-4021	NATURAL	ALL	ALL	2/3 4/5		NONE	91703-0003	91999-3475	A	A	NONE														
	91999-2780	91703-0002	93002-4023	NATURAL	1b 6a	04c	1/2 5/6		NONE	91703-0003	91999-3474	A	A	NONE														
B	91999-2781	91703-0017	93002-4000	NATURAL	1b	03c d60	1/2 4/5		NONE	91703-0018	91999-3473	C	A	NONE														
	91999-2782	91703-0002	93002-4022	NATURAL	1b 2a 2b 3a 3b 6a	ALL	4/5		NONE	91703-0003	91999-3472	A	A	NONE														
A	91999-2783	91703-0002	93002-4025	NATURAL	1b 2a 3a 4b 5b 6a 6b	01c d20 03c d60	1/2 3/4 5/6		NONE	91703-0003	91999-3471	A	A	NONE														
	91999-2784	91703-0002	93002-4012	NATURAL	2b 6b	d40	1/2 5/6		NONE	91703-0003	91999-3470	A	A	NONE														
	91999-2785	91703-0002	93002-4026	NATURAL	1a 1b 2a 2b 3a 3b 6a	01c d10 02c d30 d50 06c	4/5		NONE	91703-0003	91999-3469	A	A	NONE														
	91999-2786	91703-0002	93002-4000	NATURAL	1b	03c d60	1/2 4/5		2	91703-0003	91999-3468	A	A	NONE														
	91999-2787	91703-0002	93002-4027	NATURAL	1a 1b 2a 2b 3a 3b 5b 6b	01c d20 03c d30 04c 05c d60	1/2 5/6		NONE	91703-0003	91999-3467	A	A	NONE														
	1b_frame_A1_P_AM.T	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1								
	Rev. E 2006/04/15																											

	6 CIRCUIT										6 CIRCUIT																	
	SEE CODE DESIGNATION TABLE FOR NUMBERING FORMAT WHEN ADDING NEW PART NUMBERS										SEE CODE DESIGNATION TABLE FOR NUMBERING FORMAT WHEN ADDING NEW PART NUMBERS																	
	PART NO. (TIN)	TERM NO. (TIN)	MOLEX HOUSING NO.	COLOUR	UNBLOCKED POSITION KEYS	UNBLOCKED CODING KEYS	LATCH POSITION	CONFIGURATION (SEE NOTES)	TERMINAL VOID CKT	TERM NO. (SILVER)	PART NO. (SILVER)	P.C.B. OPTION	PACKAGE OPTION =	COLOUR STRIPE	PART NO. (TIN)	TERM NO. (TIN)	MOLEX HOUSING NO.	COLOUR	UNBLOCKED POSITION KEYS	UNBLOCKED CODING KEYS	LATCH POSITION	CONFIGURATION (SEE NOTES)	TERMINAL VOID CKT	TERM NO. (SILVER)	PART NO. (SILVER)	P.C.B. OPTION	PACKAGE OPTION =	COLOUR STRIPE
	91999-2788	91703-0002	93002-4028	NATURAL	1b 5b 6a	d20 03c d40 05c	1/2 3/4 5/6		NONE	91703-0003	91999-3487	A	A	NONE														

see sheet 1
EC NO: IPG2017-0474
DRW:WZ/FRAMER
CHKD:
APPR:BRUTILE
REV

2016/11/15
2016/11/22
DESCRIPTION

QUALITY SYMBOLS
▽=0
▽=0

GENERAL TOLERANCES
(UNLESS SPECIFIED)
4 PLACES ± --- ± ---
3 PLACES ± --- ± ---
2 PLACES ± 0.1 ± ---
1 PLACE ± 0.2 ± ---
ANGULAR ± 2 °
DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

DIMENSION STYLE
MM ONLY
DRAWN BY DATE
B. RUTLE 2006/10/04
CHECKED BY DATE
T. TOURSH 2006/10/04
APPROVED BY DATE
BMAGUIRE 2006/10/04
MATERIAL NO.
DOCUMENT NO.
SD-91999-001
SHEET NO.
7 OF 10

SCALE
1:1
DESIGN UNITS
METRIC
THIRD ANGLE
PROJECTION

RAST 5 VERT HDR
PA 66 HOUSING
MOLEX INCORPORATED

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX
INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

NOTES:

* SEE SHEET 1 NOTE 4

see sheet 1 SEC NO: PG2017-0474 DRWNGZGRAMER CHKD: APPR:BRUTTE BN	2016/11/22 DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
			4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.1 ± --- 1 PLACE ± 0.2 ± --- ANGULAR ± 2°	mm INCH ± --- ± --- ± 0.1 ± --- ± 0.2 ± ---	DRAWN BY B. RUTILE CHECKED BY T. TOURSH APPROVED BY BMAGUIRE MATERIAL NO.	DATE 2006/10/04 DATE 2006/10/04 DATE 2006/10/04	TITLE RAST 5 VERT HDR PA 66 HOUSING	MOLEX INCORPORATED DOCUMENT NO.	SD-91999-001	SHEET NO. 7 OF 10
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

8 CIRCUIT								SEE CODE DESIGNATION TABLE FOR NUMBERING FORMAT WHEN ADDING NEW PART NUMBERS				P.C.B. POLARISATION OPTION	PACKAGING OPTION *	COLOUR STRIPE															
PART NO. (TIN)	TERM NO. (TIN)	MOLEX HOUSING NO.	COLOUR	UNBLOCKED POSITION KEYS	UNBLOCKED CODING KEYS	LATCH POSITION	CONFIGURATION (SEE NOTES)	TERMINAL VOID DKT	TERM NO. (SILVER)	PART NO. (SILVER)																			
91999-4250	91703-0002	93002-6010	NATURAL	08b	01c 07b 04c 04d 05c 07a 04c 06a 07c 07a 08c 08a	2/3	<table><tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td></tr><tr><td>1a</td><td>2a</td><td>3a</td><td>4a</td><td>5a</td><td>6a</td><td>7a</td><td>8a</td></tr></table>	1	2	3	4	5	6	7	8	1a	2a	3a	4a	5a	6a	7a	8a	NONE	91703-0003	91999-4999	A	A	NONE
1	2	3	4	5	6	7	8																						
1a	2a	3a	4a	5a	6a	7a	8a																						
91999-4251	91703-0002	93002-6011	NATURAL	1a 4b 5a 6b 7b 8a	04d 06d 07c 08a	1/2 3/4 5/6 7/8	<table><tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td></tr><tr><td>1a</td><td>2a</td><td>3a</td><td>4a</td><td>5a</td><td>6a</td><td>7a</td><td>8a</td></tr></table>	1	2	3	4	5	6	7	8	1a	2a	3a	4a	5a	6a	7a	8a	NONE	91703-0003	91999-4998	A	A	NONE
1	2	3	4	5	6	7	8																						
1a	2a	3a	4a	5a	6a	7a	8a																						
91999-4252	91703-0002	93002-6012	NATURAL	all	02d 03c 06d 07c	1/2 7/8	<table><tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td></tr><tr><td>1a</td><td>2a</td><td>3a</td><td>4a</td><td>5a</td><td>6a</td><td>7a</td><td>8a</td></tr></table>	1	2	3	4	5	6	7	8	1a	2a	3a	4a	5a	6a	7a	8a	2 4 8	91703-0003	91999-4997	A	A	NONE
1	2	3	4	5	6	7	8																						
1a	2a	3a	4a	5a	6a	7a	8a																						
91999-4253	91703-0002	93002-6013	NATURAL	1a 2a 3a 4b 5a 5b 6b 7b 8b	01c 03c 06d 07c	1/2 3/4 5/6 7/8	<table><tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td></tr><tr><td>1a</td><td>2a</td><td>3a</td><td>4a</td><td>5a</td><td>6a</td><td>7a</td><td>8a</td></tr></table>	1	2	3	4	5	6	7	8	1a	2a	3a	4a	5a	6a	7a	8a	NONE	91703-0003	91999-4996	A	A	NONE
1	2	3	4	5	6	7	8																						
1a	2a	3a	4a	5a	6a	7a	8a																						

SEE SHEET 1
SEC NO: PG2017-0474
DRAWN:ZGRAMER 2016/11/15
CHKD:
BN

2016/11/22
APPR:BRUTTLE

DESCRIPTION

QUALITY SYMBOLS
▽=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)
mm INCH
4 PLACES ± --- ± ---
3 PLACES ± --- ± ---
2 PLACES ± 0.1 ± ---
1 PLACE ± 0.2 ± ---
0 PLACE ± ±
ANGULAR ± 2 °
DRAFT WHERE APPLICABLE
MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE
MM ONLY

DRAWN BY DATE
B. RUTTLE 2006/10/04
CHECKED BY DATE
T. TOURSH 2006/10/04
APPROVED BY DATE
BMAGUIRE 2006/10/04
MATERIAL NO.

SEE CHART

SIZE
A 1

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX
INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

SCALE
1:1

DESIGN UNITS
METRIC

THIRD ANGLE PROJECTION

RAST 5 VERT HDR
PA 66 HOUSING

molex

DOCUMENT NO.
SD-91999-001

SHEET NO.
9 OF 10

1b_frame_A1_P_AM_T 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1 Rev E1 2012/01/25

PARTS OFFERING PACKAGING OPTION 'D'

TO REQUEST A NEW P/N OFFERING OPTION 'D' CONTACT ENGINEERING DEPARTMENT

FOR KEYING AND TERMINAL INFORMATION, LOOKUP 'MADE-FROM' PART NUMBER IN APPLICABLE TABLE

REFER TO PK-90858-001

2 CIRCUIT	
OPTION 'D' PART NO.	MADE FROM
91999-9500	91999-0003

3 CIRCUIT	
OPTION 'D' PART NO.	MADE FROM
91999-9600	91999-0502

4 CIRCUIT	
OPTION 'D' PART NO.	MADE FROM

5 CIRCUIT	
OPTION 'D' PART NO.	MADE FROM

6 CIRCUIT	
OPTION 'D' PART NO.	MADE FROM

7 CIRCUIT	
OPTION 'D' PART NO.	MADE FROM

8 CIRCUIT	
OPTION 'D' PART NO.	MADE FROM

SEE SHEET 1

SEC NO: PG2017-0474

DRWN:ZCRAMER 2016/11/15

CHKD: APPR:BRUTTLE 2016/11/22

BN

QUALITY SYMBOLS

▽=0

▽=0

DESCRIPTION

GENERAL TOLERANCES (UNLESS SPECIFIED)

mm

INCH

4 PLACES ± --- ± ---

3 PLACES ± --- ± ---

2 PLACES ± 0.1 ± ---

1 PLACE ± 0.2 ± ---

0 PLACE ± ±

ANGULAR ± 2 °

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE

MM ONLY

DRAWN BY

DATE

CHECKED BY

DATE

APPROVED BY

DATE

MATERIAL NO.

SEE TABLES

SCALE

1:1

DESIGN UNITS

METRIC

THIRD ANGLE PROJECTION

TITLE

RAST 5 VERT HDR
PA 66 HOUSING

DOCUMENT NO.

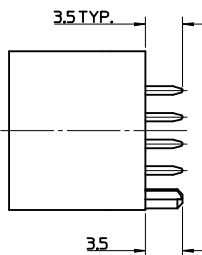
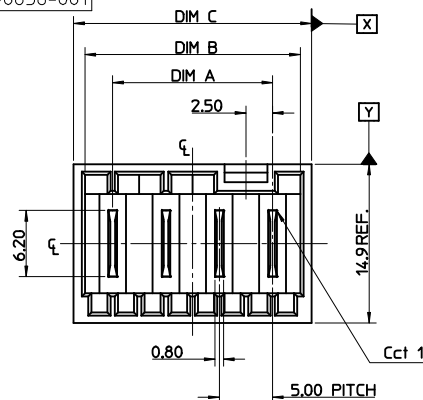
SD-91999-001

SHEET NO.

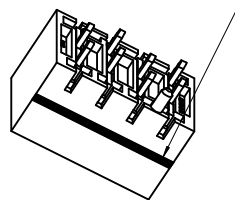
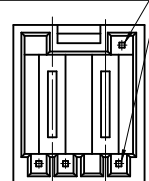
10 OF 10

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

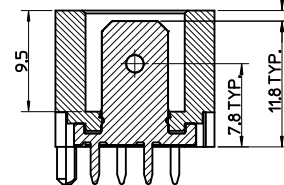
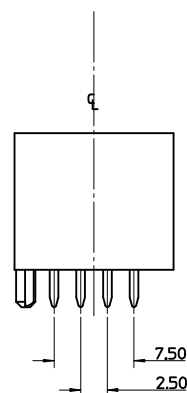
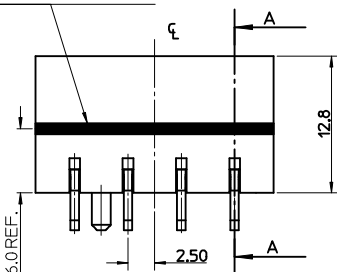
EM-90858-001

PCB PIN POLARISATION
OPTION A AND B

COLOUR STRIPE OPTION

HOLE ON SOME
TOOLED VERSIONS

COLOUR STRIPE OPTION

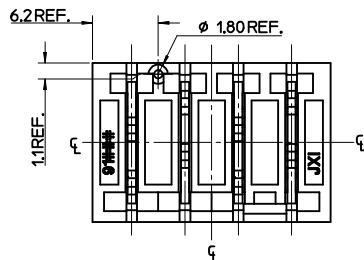


CCT	DIM A	DIM B	DIM C	TOL
2	5.00	10.20	12.30	+/-0.30
3	10.00	15.20	17.30	
4	15.00	20.20	22.30	
5	20.00	25.20	27.30	
6	25.00	30.20	32.30	
7	30.00	35.20	37.30	
8	35.00	40.20	42.30	
9	40.00	45.20	47.30	
10	45.00	50.20	52.30	
11	50.00	55.20	57.30	
12	55.00	60.20	62.30	

NOTES:

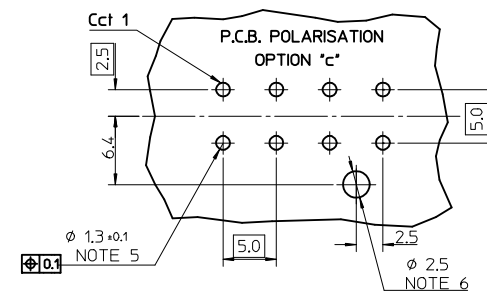
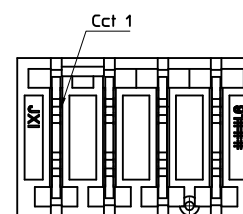
1. MATERIALS

- HOUSING: PA 66, UL94 V-2 HALOGEN FREE
 TERMINAL: BRASS 0.80REF. THICK
 PLATING: OPTIONAL (SEE CHARTS SHEET 2)
 TIN PLATING OPTION : 34µm TIN OVER
 127µm NICKEL ALL AREAS.
 SELECTIVE SILVER
 CONTACT AREA : 24µm SILVER OVER 127µm
 NICKEL. ALL OTHER AREAS FLASH OF SILVER 0.10µm
 2. PRODUCT CONFORMS TO SPECIFICATION PS-99020-0037/39
 3. MATES WITH MOLEX 91338, 90833, 90835, 91777,
 91778, 91779, 91954 & 92000.
 4. SEE PACKAGING SPECIFICATION PK-90858-001
 TWO PACKAGING OPTIONS
 'A' LOOSE IN POLYBAGS IN SHIPPING CARTON
 'B' IN TUBES IN SHIPPING CARTON
 SEE TABLES IN FOLLOWING SHEETS FOR PACKAGING TYPE
 FOR EACH PART NUMBER
 5. PLATED THRU HOLE
 6. NON-PLATED THRU HOLE
 7. RECOMMENDED PCB THICKNESS: 15mm REF
 8. PCB VIEW IS FROM SOLDER SIDE

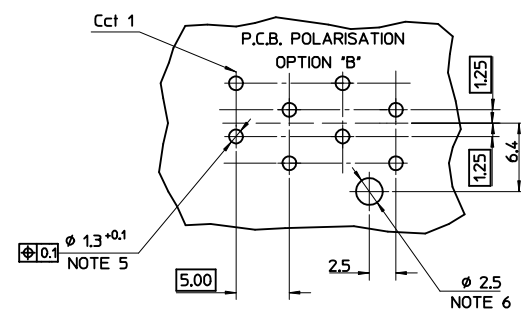
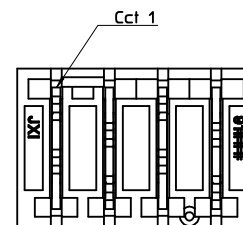


OPTION "C"

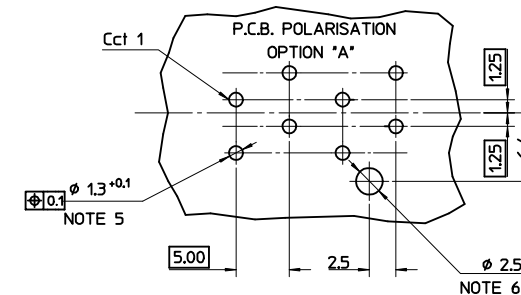
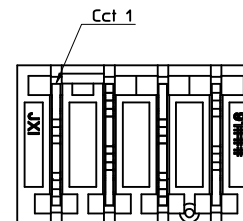
PCB LAYOUT



OPTION "B"



OPTION "A"



NOTE 7 PCB DIM CHANGE
 EC NO: IFC2016-1580
 DRAWN: ZCRAWER 2016/05/24
 CHKD: CHKD
 APPR: BRUTTLE 2016/08/30

QUALITY
 SYMBOLS
 ▽=0
 ▽=0

GENERAL TOLERANCES
(UNLESS SPECIFIED)

	mm	INCH
4 PLACES ± ---	± ---	± ---
3 PLACES ± ---	± ---	± ---
2 PLACES ± 0.1	± ---	± ---
1 PLACE ± 0.2	± ---	± ---
ANGULAR ± 2 °		

DRAFT WHERE APPLICABLE
 MUST REMAIN
 WITHIN DIMENSIONS

DIMENSION STYLE
MM ONLY

DRAWN BY	DATE
B. RUTTLE	2006/10/04
CHECKED BY	DATE
T. TOURSH	2006/10/04
APPROVED BY	DATE
BMAGUIRE	2011/02/07

MATERIAL NO.

SEE SHEET 2

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX
INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSIONSCALE
1:1DESIGN UNITS
METRICTHIRD ANGLE
PROJECTION

TITLE

RAST 5 VERT HDR

PA 66 HOUSING

HALOGEN FREE

moLEX MOLEX INCORPORATED

DOCUMENT NO.

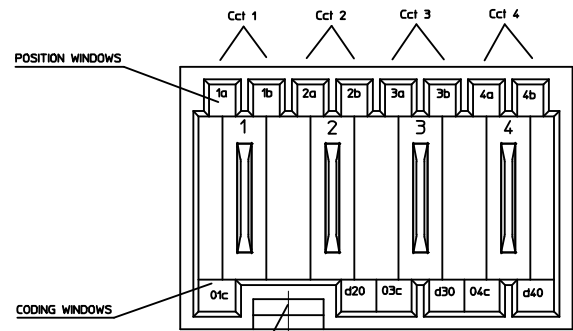
SD-93319-001

SHEET NO.

1 OF 2

4 CIRCUIT

4 CIRCUIT										SEE CODE DESIGNATION TABLE FOR NUMBERING FORMAT WHEN ADDING NEW PART NUMBERS				COLOUR STRIPE
PART NO. (TIN)	TERM NO. (TIN)	MOLEX HOUSING NO.	COLOUR	UNBLOCKED POSITION KEYS	UNBLOCKED CODING KEYS	LATCH POSITION	CONFIGURATION (SEE NOTES)	TERMINAL VOID CKT	TERM NO. (SILVER)	PART NO. (SILVER)	P.C.B. OPTION	PACKAGING OPTION *		
93319-1254	91703-0002	93318-2000	NATURAL	1b	03c d40	1/2 3/4		NONE	91703-0003	93319-1999	A	A	NONE	



KEYING, CODING & LATCH POSITION
(4CCT EXAMPLE SHOWN)
VIEW INMATING DIRECTION

NOTES:
* SEE SHEET 1 NOTE 4

SEE SHEET 1 EC NO: IP2076-1580 DRAWN BY: B. RUTLE CHKD: T. TOURSH APPROVED BY: BMAGUIRE REV	DESCRIPTION 2016/05/24 2016/08/30	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	RAST 5 VERT HDR PA 66 HOUSING HALOGEN FREE MOLEX INCORPORATED	DOCUMENT NO. SD-93319-001	SHEET NO. 2 OF 2		
			mm		INCH		DRAWN BY B. RUTLE	DATE 2006/10/04						
			4 PLACES ± --- ± ---		3 PLACES ± --- ± ---		CHECKED BY T. TOURSH	DATE 2006/10/04						
			2 PLACES ± 0.1 ± ---		1 PLACE ± 0.2 ± ---		APPROVED BY BMAGUIRE	DATE 2011/02/07						
					ANGULAR ± 2 °			MATERIAL NO.					SIZE A1	
					DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SEE CHART					THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	